

Description

Indoor drop coaxial cable - 75 Ohm
Indoor installation cable (Screening Class A+)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

SAT752F



| | | | | | |
|---|------|-------|----------|------|-------|
| Ø | 1,13 | 4,80 | 4,90 | 5,30 | 6,60 |
| | (Cu) | (PEG) | (Cu/Pet) | (Cu) | (PVC) |

Construction data

| | | |
|---|----------|----------------|
| Inner conductor of plain copper | (Cu) | 1,13 ± 0,02 mm |
| Dielectric of physical foam polyethylene | (PEG) | 4,80 ± 0,10 mm |
| Water repellent sealing (dielectric) | (Jelly1) | |
| Copper/Polyester tape longitudinally overlapped | (Cu/Pet) | |
| Braid of annealed copper wires | (Cu) | |
| Braid optical coverage (IEC 96-1) | | 72 % |
| Diameter under Sheath | | 5,30 mm |
| Outer sheath of Polyvinylchloride - black - lead-free | (PVC) | 6,60 ± 0,10 mm |

Printed each meter by yellow ink-jet :

CAVEL SAT 752 F MADE IN ITALY 75 Ohm EN50117-2-4 CEI-UNEL 36762 C-4 (U0 =400V) *LTE PROTECTION*
ss/aa m

(ss=week, aa=year) (m=meter marking)

Electrical data

| | | | |
|---|---------|--------|--------|
| Characteristic impedance | 200 MHz | 75 ± 3 | Ohm |
| Capacitance (@1kHz) | | 52 ± 2 | pF/m |
| Velocity Factor | | 85 % | |
| Inner conductor resistance | | 18 | Ohm/km |
| Outer conductor resistance | | 12,50 | Ohm/km |
| Loop resistance | | 30,50 | Ohm/km |
| Insulation voltage of the sheath (spark test) | | 3 | kV |
| Maximum current (Ieff) | | 8 | A |

Structural return loss (SRL)

| | |
|-----------------|--------|
| 5 - 470 MHz | >30 dB |
| 470 - 1000 MHz | >28 dB |
| 1000 - 2000 MHz | >26 dB |
| 2000 - 3000 MHz | >22 dB |

Screening Attenuation (SA)

| | |
|-----------------|--------|
| 30 - 1000 MHz | >95 dB |
| 1000 - 2000 MHz | >85 dB |
| 2000 - 3000 MHz | >75 dB |

Transfer impedance

5 - 30 MHz < 2,5 mOhm/m

ITALIANA CONDUTTORI s.r.l.

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Tel +39-382.815150 Fax +39-0382.814212

Date

08/11/2011

Responsible

PierPaolo Piccinini

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Attenuation (at 20°C)

| Frequency [MHz] | Attenuation [dB/100m] | Frequency [MHz] | Attenuation [dB/100m] |
|-----------------|-----------------------|-----------------|-----------------------|
| 5 | 1,40 | 862 | 16,70 |
| 10 | 2,00 | 1000 | 18,00 |
| 30 | 2,90 | 1750 | 24,50 |
| 50 | 3,80 | 2150 | 27,50 |
| 200 | 7,70 | 2400 | 29,00 |
| 300 | 9,40 | 3000 | 33,00 |
| 470 | 12,10 | | |

Mechanical data

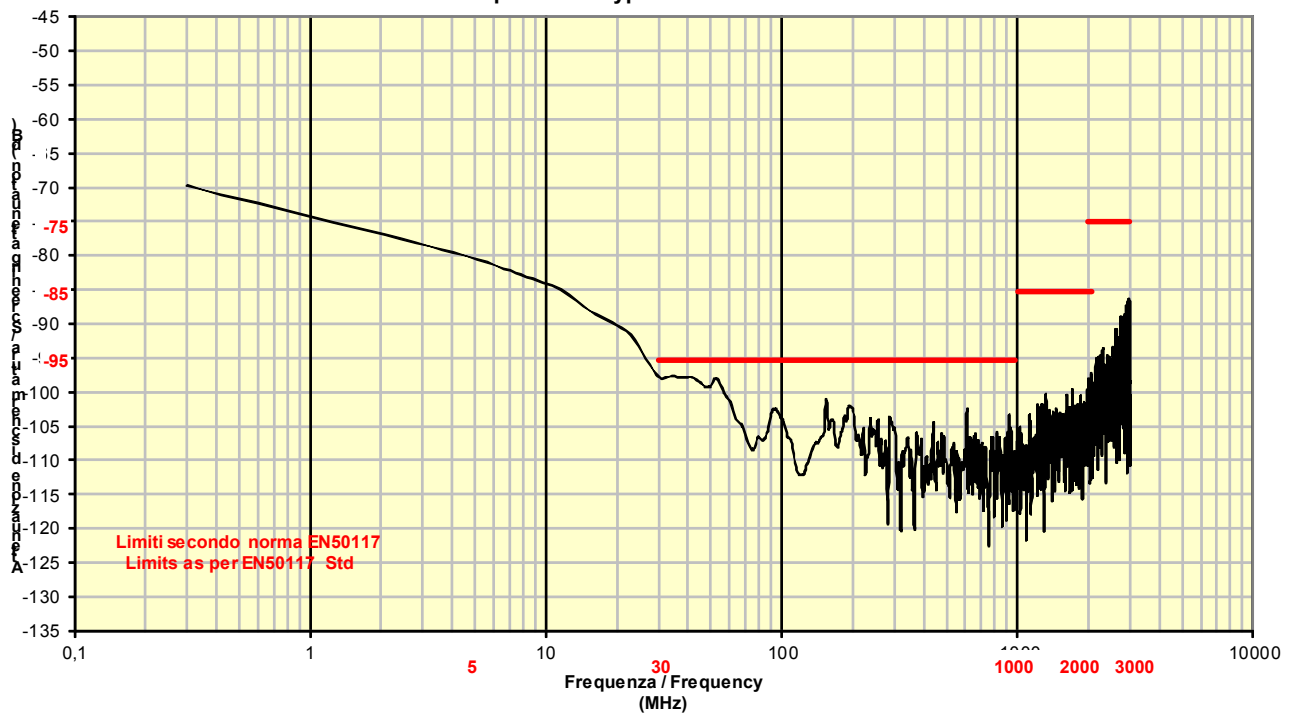
| | | | |
|--|-------|-------|------------|
| Weight of copper conductors | 22,75 | kg/km | |
| Total weight of cable | 45,94 | kg/km | |
| Minimum bending radius (single/repetead bending) | 35/70 | mm | |
| Maximum cable pulling strength | 150 | N | |
| Fire Load | 601 | MJ/km | 167 kWh/km |

Standards

EN 50117-2-4

Attenuazione di schermatura / Screening Attenuation

Cavo classe A+ / A+ Class Cable
 Cavo tipo / Cable type : **SAT752F**



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**Data Sheet****SAT752F****Connector**

| | |
|-----------------|---|
| FR703 | Series F Crimp, F crimp, "Rapid", for indoor installation |
| F90 | Series F Crimp, F Crimp, for indoor installation |
| FA703 | Serie F Twist-On, F Twist-On, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm |
| F703 | Series F Crimp, F Crimp, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm |
| BNCC703 | Series BNC Compression, BNC Compression, for outdoor installation, nitin-plated brass - 35,0 mm x 14,0 mm |
| IECF90C | Series IEC (no tool), Ø 5,1 90° female, for indoor installation |
| IECM90C | Series IEC (no tool), Ø 5,1 90° male, for indoor installation |
| FCPO5.1C | Series F Compression, Ø 5,1 Push-On, for outdoor installation, nitin-plated brass |
| FC703 | Series F Compression, F Compression, for outdoor installation, nitin-plated brass - 30,0 mm x 12,0 mm |
| FC7.0QM | Series F Compression, Quick Mount, for outdoor installation |
| IECF703 | Serie IEC Compression, female, no tool, for outdoor installation |
| IECM703 | Serie IEC Compression, male, for outdoor installation |
| IECF5.1C | Series IEC (no tool), female, no tool, for indoor installation |
| IECM5.1C | Series IEC (no tool), male, no tool, for indoor installation |

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